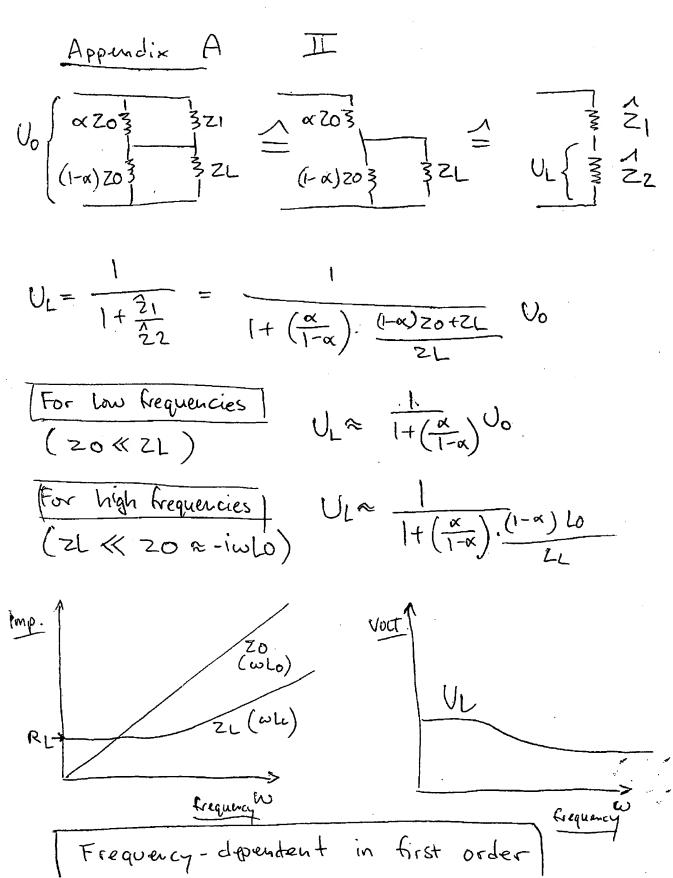
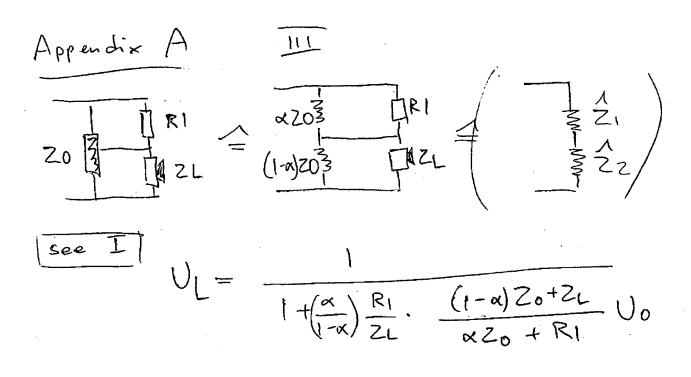


Because ZL is trequency-dependent (Rz-iwL) the voltage UL is not in constant relation to Uo



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| Zp is in approximate proportion to  $ZL = 7 \times 20 = \beta \times 2L$ | RI is Larger than  $ZO = 7 \times ZO + R_1 \approx R_1$ 

 $V_{L} \approx \frac{1}{1 + (\frac{\alpha}{1-\alpha}) \cdot [1 + \beta(1-\alpha)]} V_{0}$ 

The frequency-dependence in first order!